Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/12/2021 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	121584	-3	6.17	121456	6.09
Blue	F	SSC	125000	123217	-2	6.30	123630	6.17
Blue	E	FITC	13131	12414	-6	6.43 (1)	286	17.79
Blue	D	PE	24112	23156	-4	6.41	530	13.19
Blue	B	PerCP-Cy5-5	31295	29855	-5	6.91	988	16.95
Blue	A	PE-Cy7	19939	19235	-4	9.14	508	32.99
Red	C	APC	42122	41222	-3	3.78	1739	12.03
Red	A	APC-Cy7	22340	21710	-3	4.50	809	12.47
Violet	B	V450	7410	6949	-7	6.02 (2)	422	13.88
Violet	A	V500	28118	26519	-6	5.79	662	11.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22508	5.59	592	23	N/A	N/A	Pass
Blue	F	SSC	55927	5.93	525	13	N/A	N/A	Pass
Blue	E	FITC	52	56.10	492	5	0.0330	41	Pass
Blue	D	PE	110	40.43	495	7	0.3190	269	Pass
Blue	B	PerCP-Cy5-5	180	38.83	593	7	0.0162	20	Pass
Blue	A	PE-Cy7	98	75.20	639	11	0.0179	0	Pass
Red	C	APC	401	24.44	579	3	0.0249	109	Pass
Red	A	APC-Cy7	179	28.63	555	4	0.0057	899	Pass
Violet	B	V450	60	63.91	459	6	0.0520	1982	Pass
Violet	A	V500	94	35.84	471	6	0.0223	693	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/12/2021 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.45	-31.16	1.04
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.60	13.60 - 20.40	N/A	N/A	29.63	29.86	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12219

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments